

Release notes for ENDF/B Development n-060\_Nd\_145  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=6034, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=6034, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      304 TO      493
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=6034, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=6034, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      304
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6034, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      495
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      855
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      874
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      910
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      939
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 949

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 956

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 24 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 24  
SECTION 3/ 24 NOT IN DIRECTORY RECORD NUMBER 967

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 976

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 41 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 41  
SECTION 3/ 41 NOT IN DIRECTORY RECORD NUMBER 985

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 992

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 1011

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 1030

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 54 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 54 | RECORD NUMBER | 1045 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |      |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 55 | RECORD NUMBER | 1060 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |      |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 56 | RECORD NUMBER | 1076 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |      |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 57 | RECORD NUMBER | 1091 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |      |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 58 | RECORD NUMBER | 1106 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |      |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 59 | RECORD NUMBER | 1121 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |      |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 60 | RECORD NUMBER | 1136 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |      |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 61 | RECORD NUMBER | 1151 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |      |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 62 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 62 |                    |
| SECTION 3/ 62 NOT IN DIRECTORY            | RECORD NUMBER 1166 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 63 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 63 |                    |
| SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 1181 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 64 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 64 |                    |
| SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 1196 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 65 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 65 |                    |
| SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 1211 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 66 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 66 |                    |
| SECTION 3/ 66 NOT IN DIRECTORY            | RECORD NUMBER 1226 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 67 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 67 |                    |
| SECTION 3/ 67 NOT IN DIRECTORY            | RECORD NUMBER 1240 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 68 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 68 |                    |
| SECTION 3/ 68 NOT IN DIRECTORY            | RECORD NUMBER 1254 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 69 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 69 |                    |
| SECTION 3/ 69 NOT IN DIRECTORY            | RECORD NUMBER 1268 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 70 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 70 | RECORD NUMBER | 1282 |
| SECTION 3/ 70 NOT IN DIRECTORY            |               |      |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 71 | RECORD NUMBER | 1296 |
| SECTION 3/ 71 NOT IN DIRECTORY            |               |      |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 72 | RECORD NUMBER | 1310 |
| SECTION 3/ 72 NOT IN DIRECTORY            |               |      |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 73 | RECORD NUMBER | 1324 |
| SECTION 3/ 73 NOT IN DIRECTORY            |               |      |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 74 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 74 | RECORD NUMBER | 1338 |
| SECTION 3/ 74 NOT IN DIRECTORY            |               |      |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 75 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 75 | RECORD NUMBER | 1351 |
| SECTION 3/ 75 NOT IN DIRECTORY            |               |      |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT= 91 | RECORD NUMBER | 1365 |
| SECTION 3/ 91 NOT IN DIRECTORY            |               |      |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=102 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=102 | RECORD NUMBER | 1382 |
| SECTION 3/102 NOT IN DIRECTORY            |               |      |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=103 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=103 | RECORD NUMBER | 1402 |
| SECTION 3/103 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=107 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=107 | RECORD NUMBER | 1419 |
| SECTION 3/107 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=600 | RECORD NUMBER | 1471 |
| SECTION 3/600 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=601 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=601 | RECORD NUMBER | 1483 |
| SECTION 3/601 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=602 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=602 | RECORD NUMBER | 1495 |
| SECTION 3/602 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=603 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=603 | RECORD NUMBER | 1507 |
| SECTION 3/603 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=604 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=604 | RECORD NUMBER | 1518 |
| SECTION 3/604 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=605 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=605 | RECORD NUMBER | 1529 |
| SECTION 3/605 NOT IN DIRECTORY            |               |      |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=606 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=606 |                    |
|  | SECTION 3/606 NOT IN DIRECTORY            | RECORD NUMBER 1540 |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=607 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=607 |                    |
|  | SECTION 3/607 NOT IN DIRECTORY            | RECORD NUMBER 1551 |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=608 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=608 |                    |
|  | SECTION 3/608 NOT IN DIRECTORY            | RECORD NUMBER 1562 |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=609 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=609 |                    |
|  | SECTION 3/609 NOT IN DIRECTORY            | RECORD NUMBER 1573 |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=610 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=610 |                    |
|  | SECTION 3/610 NOT IN DIRECTORY            | RECORD NUMBER 1584 |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=611 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=611 |                    |
|  | SECTION 3/611 NOT IN DIRECTORY            | RECORD NUMBER 1595 |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=612 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=612 |                    |
|  | SECTION 3/612 NOT IN DIRECTORY            | RECORD NUMBER 1606 |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=613 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 3, MT=613 |                    |
|  | SECTION 3/613 NOT IN DIRECTORY            | RECORD NUMBER 1617 |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=614 (0): Directory (b)*



- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=614 |                    |
| SECTION 3/614 NOT IN DIRECTORY            | RECORD NUMBER 1628 |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 3, MT=649 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 3, MT=649 |                    |
| SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 1639 |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 2 (0): Directory (b)*
- |  |                    |
|--|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 2 |                    |
| SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1651 |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 51 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 51 |                    |
| SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1794 |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 52 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 52 |                    |
| SECTION 4/ 52 NOT IN DIRECTORY            | RECORD NUMBER 1893 |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 53 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 53 |                    |
| SECTION 4/ 53 NOT IN DIRECTORY            | RECORD NUMBER 1990 |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 54 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 54 |                    |
| SECTION 4/ 54 NOT IN DIRECTORY            | RECORD NUMBER 2100 |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 55 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 55 |                    |
| SECTION 4/ 55 NOT IN DIRECTORY            | RECORD NUMBER 2209 |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 56 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 56 | RECORD NUMBER | 2284 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 57 | RECORD NUMBER | 2355 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 58 | RECORD NUMBER | 2426 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 59 | RECORD NUMBER | 2497 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 60 | RECORD NUMBER | 2566 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 61 | RECORD NUMBER | 2635 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 62 | RECORD NUMBER | 2704 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 63 | RECORD NUMBER | 2771 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 64 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 64 | RECORD NUMBER | 2838 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 65 | RECORD NUMBER | 2905 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 66 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 66 | RECORD NUMBER | 2972 |
| SECTION 4/ 66 NOT IN DIRECTORY            |               |      |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 67 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 67 | RECORD NUMBER | 3037 |
| SECTION 4/ 67 NOT IN DIRECTORY            |               |      |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 68 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 68 | RECORD NUMBER | 3102 |
| SECTION 4/ 68 NOT IN DIRECTORY            |               |      |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 69 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 69 | RECORD NUMBER | 3167 |
| SECTION 4/ 69 NOT IN DIRECTORY            |               |      |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 70 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 70 | RECORD NUMBER | 3230 |
| SECTION 4/ 70 NOT IN DIRECTORY            |               |      |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 71 | RECORD NUMBER | 3293 |
| SECTION 4/ 71 NOT IN DIRECTORY            |               |      |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 72 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 72 |                    |
| SECTION 4/ 72 NOT IN DIRECTORY            | RECORD NUMBER 3356 |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 73 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 73 |                    |
| SECTION 4/ 73 NOT IN DIRECTORY            | RECORD NUMBER 3417 |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 74 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 74 |                    |
| SECTION 4/ 74 NOT IN DIRECTORY            | RECORD NUMBER 3478 |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT= 75 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT= 75 |                    |
| SECTION 4/ 75 NOT IN DIRECTORY            | RECORD NUMBER 3539 |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=600 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT=600 |                    |
| SECTION 4/600 NOT IN DIRECTORY            | RECORD NUMBER 3600 |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=601 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT=601 |                    |
| SECTION 4/601 NOT IN DIRECTORY            | RECORD NUMBER 3649 |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=602 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT=602 |                    |
| SECTION 4/602 NOT IN DIRECTORY            | RECORD NUMBER 3698 |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=603 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6034, MF= 4, MT=603 |                    |
| SECTION 4/603 NOT IN DIRECTORY            | RECORD NUMBER 3747 |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=604 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=604 |                    |
|  | SECTION 4/604 NOT IN DIRECTORY            | RECORD NUMBER 3796 |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=605 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=605 |                    |
|  | SECTION 4/605 NOT IN DIRECTORY            | RECORD NUMBER 3845 |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=606 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=606 |                    |
|  | SECTION 4/606 NOT IN DIRECTORY            | RECORD NUMBER 3894 |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=607 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=607 |                    |
|  | SECTION 4/607 NOT IN DIRECTORY            | RECORD NUMBER 3943 |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=608 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=608 |                    |
|  | SECTION 4/608 NOT IN DIRECTORY            | RECORD NUMBER 3992 |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=609 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=609 |                    |
|  | SECTION 4/609 NOT IN DIRECTORY            | RECORD NUMBER 4041 |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=610 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=610 |                    |
|  | SECTION 4/610 NOT IN DIRECTORY            | RECORD NUMBER 4090 |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=611 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=611 |                    |
|  | SECTION 4/611 NOT IN DIRECTORY            | RECORD NUMBER 4139 |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=612 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=612 |                    |
|  | SECTION 4/612 NOT IN DIRECTORY            | RECORD NUMBER 4188 |
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=613 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=613 |                    |
|  | SECTION 4/613 NOT IN DIRECTORY            | RECORD NUMBER 4237 |
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 4, MT=614 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 4, MT=614 |                    |
|  | SECTION 4/614 NOT IN DIRECTORY            | RECORD NUMBER 4286 |
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 16 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 16 |                    |
|  | SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 4336 |
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 17 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 17 |                    |
|  | SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 6215 |
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 22 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 22 |                    |
|  | SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 6627 |
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 24 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 24 |                    |
|  | SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 9602 |
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 28 (0): Directory (b)*
- |  |   |                     |
|--|---|---------------------|
|  | ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 28 |                     |
|  | SECTION 6/ 28 NOT IN DIRECTORY            | RECORD NUMBER 10824 |
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 41 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 41  
SECTION 6/ 41 NOT IN DIRECTORY RECORD NUMBER 12181
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT= 91 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF= 6, MT= 91  
SECTION 6/ 91 NOT IN DIRECTORY RECORD NUMBER 12458
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT=102 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF= 6, MT=102  
SECTION 6/102 NOT IN DIRECTORY RECORD NUMBER 17262
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF= 6, MT=649 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF= 6, MT=649  
SECTION 6/649 NOT IN DIRECTORY RECORD NUMBER 19166
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 20504
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 20508
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 20512
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 20516
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 55 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 20520
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 20524
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 20528
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 20532
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 20536
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 20540
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 20545
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 20549
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 63 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 63  
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 20553
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 64  
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 20557
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 65  
SECTION 12/ 65 NOT IN DIRECTORY RECORD NUMBER 20561
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 66  
SECTION 12/ 66 NOT IN DIRECTORY RECORD NUMBER 20565
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 67 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 67  
SECTION 12/ 67 NOT IN DIRECTORY RECORD NUMBER 20569
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 68  
SECTION 12/ 68 NOT IN DIRECTORY RECORD NUMBER 20573
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 69 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 69  
SECTION 12/ 69 NOT IN DIRECTORY RECORD NUMBER 20577
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 70  
SECTION 12/ 70 NOT IN DIRECTORY RECORD NUMBER 20581
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 71 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 71  
SECTION 12/ 71 NOT IN DIRECTORY RECORD NUMBER 20585
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 72 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 72  
SECTION 12/ 72 NOT IN DIRECTORY RECORD NUMBER 20589
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 73  
SECTION 12/ 73 NOT IN DIRECTORY RECORD NUMBER 20593
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 74  
SECTION 12/ 74 NOT IN DIRECTORY RECORD NUMBER 20597
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT= 75 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT= 75  
SECTION 12/ 75 NOT IN DIRECTORY RECORD NUMBER 20603
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=601  
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 20607
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=602  
SECTION 12/602 NOT IN DIRECTORY RECORD NUMBER 20611
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=603  
SECTION 12/603 NOT IN DIRECTORY RECORD NUMBER 20615
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=604 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=12, MT=604  
SECTION 12/604 NOT IN DIRECTORY RECORD NUMBER 20619
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=605  
SECTION 12/605 NOT IN DIRECTORY RECORD NUMBER 20623
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=606  
SECTION 12/606 NOT IN DIRECTORY RECORD NUMBER 20628
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=607  
SECTION 12/607 NOT IN DIRECTORY RECORD NUMBER 20632
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=608  
SECTION 12/608 NOT IN DIRECTORY RECORD NUMBER 20637
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=609  
SECTION 12/609 NOT IN DIRECTORY RECORD NUMBER 20641
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=610  
SECTION 12/610 NOT IN DIRECTORY RECORD NUMBER 20645
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=611  
SECTION 12/611 NOT IN DIRECTORY RECORD NUMBER 20650
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=612 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=12, MT=612  
SECTION 12/612 NOT IN DIRECTORY RECORD NUMBER 20654
144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=613 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=613  
SECTION 12/613 NOT IN DIRECTORY RECORD NUMBER 20658
145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=12, MT=614 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=12, MT=614  
SECTION 12/614 NOT IN DIRECTORY RECORD NUMBER 20663
146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 20669
147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 20671
148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 20673
149. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 20675
150. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 20677
151. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 56 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 20679
152. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 20681
153. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 20683
154. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 20685
155. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 20687
156. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 20689
157. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 20691
158. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 63  
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 20693
159. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 64 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 64  
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 20695
160. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 65  
SECTION 14/ 65 NOT IN DIRECTORY RECORD NUMBER 20697
161. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 66  
SECTION 14/ 66 NOT IN DIRECTORY RECORD NUMBER 20699
162. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 67 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 67  
SECTION 14/ 67 NOT IN DIRECTORY RECORD NUMBER 20701
163. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 68  
SECTION 14/ 68 NOT IN DIRECTORY RECORD NUMBER 20703
164. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 69 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 69  
SECTION 14/ 69 NOT IN DIRECTORY RECORD NUMBER 20705
165. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 70  
SECTION 14/ 70 NOT IN DIRECTORY RECORD NUMBER 20707
166. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 71 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 71  
SECTION 14/ 71 NOT IN DIRECTORY RECORD NUMBER 20709
167. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 72 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 72  
SECTION 14/ 72 NOT IN DIRECTORY RECORD NUMBER 20711
168. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 73  
SECTION 14/ 73 NOT IN DIRECTORY RECORD NUMBER 20713
169. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 74  
SECTION 14/ 74 NOT IN DIRECTORY RECORD NUMBER 20715
170. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT= 75 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT= 75  
SECTION 14/ 75 NOT IN DIRECTORY RECORD NUMBER 20717
171. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 20719
172. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 20721
173. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 20723
174. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 20725
175. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=605 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6034, MF=14, MT=605  
SECTION 14/605 NOT IN DIRECTORY RECORD NUMBER 20727
176. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=606  
SECTION 14/606 NOT IN DIRECTORY RECORD NUMBER 20729
177. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=607  
SECTION 14/607 NOT IN DIRECTORY RECORD NUMBER 20731
178. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=608  
SECTION 14/608 NOT IN DIRECTORY RECORD NUMBER 20733
179. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=609  
SECTION 14/609 NOT IN DIRECTORY RECORD NUMBER 20735
180. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=610  
SECTION 14/610 NOT IN DIRECTORY RECORD NUMBER 20737
181. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=611  
SECTION 14/611 NOT IN DIRECTORY RECORD NUMBER 20739
182. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=612 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6034, MF=14, MT=612  
SECTION 14/612 NOT IN DIRECTORY RECORD NUMBER 20741
183. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=613 (0): Directory (b)*



ERROR(S) FOUND IN MAT=6034, MF=14, MT=613  
SECTION 14/613 NOT IN DIRECTORY RECORD NUMBER 20743

184. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=14, MT=614 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=14, MT=614  
SECTION 14/614 NOT IN DIRECTORY RECORD NUMBER 20745

185. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=33, MT= 1 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=33, MT= 1  
SECTION 33/ 1 NOT IN DIRECTORY RECORD NUMBER 20748

186. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=33, MT= 2 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=33, MT= 2  
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 20994

187. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=33, MT= 4 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=33, MT= 4  
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 21240

188. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=33, MT= 16 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=33, MT= 16  
SECTION 33/ 16 NOT IN DIRECTORY RECORD NUMBER 21432

189. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6034, MF=33, MT=102 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6034, MF=33, MT=102  
SECTION 33/102 NOT IN DIRECTORY RECORD NUMBER 21462

• psyche Warnings:

1. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.22683E+01 SHOULD BE 2.37064E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04  
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04  
DENSITY 4.22683E+01 SHOULD BE 2.37064E+01

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.22127E+01 SHOULD BE 2.36752E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.22127E+01 SHOULD BE 2.36752E+01
```

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.21451E+01 SHOULD BE 2.36373E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.21451E+01 SHOULD BE 2.36373E+01
```

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.20775E+01 SHOULD BE 2.35993E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.20775E+01 SHOULD BE 2.35993E+01
```

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.20100E+01 SHOULD BE 2.35615E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.20100E+01 SHOULD BE 2.35615E+01
```

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.19427E+01 SHOULD BE 2.35238E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.19427E+01 SHOULD BE 2.35238E+01
```

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.18754E+01 SHOULD BE 2.34860E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.18754E+01 SHOULD BE 2.34860E+01
```

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.18084E+01 SHOULD BE 2.34484E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.18084E+01 SHOULD BE 2.34484E+01
```

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.11434E+01 SHOULD BE 2.30754E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.11434E+01 SHOULD BE 2.30754E+01
```

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.04895E+01 SHOULD BE 2.27087E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.04895E+01 SHOULD BE 2.27087E+01
```

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.98465E+01 SHOULD BE 2.23481E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.98465E+01 SHOULD BE 2.23481E+01
```

12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.92142E+01 SHOULD BE 2.19935E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.92142E+01 SHOULD BE 2.19935E+01
```

13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.85924E+01 SHOULD BE 2.16447E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.85924E+01 SHOULD BE 2.16447E+01
```

14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.81214E+01 SHOULD BE 2.13805E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.81214E+01 SHOULD BE 2.13805E+01
```

15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.04796E+01 SHOULD BE 1.97537E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.04796E+01 SHOULD BE 1.97537E+01
```

16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.04395E+01 SHOULD BE 1.97277E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.04395E+01 SHOULD BE 1.97277E+01
```

17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.03908E+01 SHOULD BE 1.96960E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.03908E+01 SHOULD BE 1.96960E+01
```

18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.03420E+01 SHOULD BE 1.96645E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.03420E+01 SHOULD BE 1.96645E+01
```

19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.02934E+01 SHOULD BE 1.96329E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.02934E+01 SHOULD BE 1.96329E+01
```

20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.02448E+01 SHOULD BE 1.96015E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.02448E+01 SHOULD BE 1.96015E+01
```

21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.01963E+01 SHOULD BE 1.95700E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.01963E+01 SHOULD BE 1.95700E+01
```

22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.01479E+01 SHOULD BE 1.95387E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.01479E+01 SHOULD BE 1.95387E+01
```

23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.96684E+01 SHOULD BE 1.92279E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.96684E+01 SHOULD BE 1.92279E+01
```

24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.91969E+01 SHOULD BE 1.89223E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.91969E+01 SHOULD BE 1.89223E+01
```

25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.87332E+01 SHOULD BE 1.86218E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.87332E+01 SHOULD BE 1.86218E+01
```

26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.82773E+01 SHOULD BE 1.83263E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.82773E+01 SHOULD BE 1.83263E+01
```

27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.78289E+01 SHOULD BE 1.80357E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.78289E+01 SHOULD BE 1.80357E+01
```

28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 2.74893E+01 SHOULD BE 1.78156E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 2.74893E+01 SHOULD BE 1.78156E+01
```

29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.22683E+01 SHOULD BE 1.53640E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.22683E+01 SHOULD BE 1.53640E+01
```

30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.22127E+01 SHOULD BE 1.53437E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.22127E+01 SHOULD BE 1.53437E+01
```

31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.21451E+01 SHOULD BE 1.53191E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.21451E+01 SHOULD BE 1.53191E+01
```

32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.20775E+01 SHOULD BE 1.52946E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.20775E+01 SHOULD BE 1.52946E+01
```

33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.20100E+01 SHOULD BE 1.52701E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.20100E+01 SHOULD BE 1.52701E+01
```

34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.19427E+01 SHOULD BE 1.52456E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.19427E+01 SHOULD BE 1.52456E+01
```

35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.18754E+01 SHOULD BE 1.52211E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.18754E+01 SHOULD BE 1.52211E+01
```

36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.18083E+01 SHOULD BE 1.51968E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.18083E+01 SHOULD BE 1.51968E+01
```

37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.11434E+01 SHOULD BE 1.49551E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.11434E+01 SHOULD BE 1.49551E+01
```

38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 4.04895E+01 SHOULD BE 1.47174E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 4.04895E+01 SHOULD BE 1.47174E+01
```

39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.98465E+01 SHOULD BE 1.44836E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.98465E+01 SHOULD BE 1.44836E+01
```

40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.92142E+01 SHOULD BE 1.42538E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.92142E+01 SHOULD BE 1.42538E+01
```

41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.85924E+01 SHOULD BE 1.40278E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.85924E+01 SHOULD BE 1.40278E+01
```

42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 3.81214E+01 SHOULD BE 1.38566E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 3.81214E+01 SHOULD BE 1.38566E+01
```

43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.12528E+01 SHOULD BE 1.25705E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.12528E+01 SHOULD BE 1.25705E+01
```



44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.11590E+01 SHOULD BE 1.25540E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.11590E+01 SHOULD BE 1.25540E+01
```

45. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.10450E+01 SHOULD BE 1.25338E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.10450E+01 SHOULD BE 1.25338E+01
```

46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.09311E+01 SHOULD BE 1.25137E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.09311E+01 SHOULD BE 1.25137E+01
```

47. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.08173E+01 SHOULD BE 1.24937E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.08173E+01 SHOULD BE 1.24937E+01
```

48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.07039E+01 SHOULD BE 1.24737E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.07039E+01 SHOULD BE 1.24737E+01
```

49. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.05905E+01 SHOULD BE 1.24537E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.05905E+01 SHOULD BE 1.24537E+01
```

50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 7.04774E+01 SHOULD BE 1.24337E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 7.04774E+01 SHOULD BE 1.24337E+01
```

51. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.93565E+01 SHOULD BE 1.22360E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.93565E+01 SHOULD BE 1.22360E+01
```

52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.82542E+01 SHOULD BE 1.20415E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.82542E+01 SHOULD BE 1.20415E+01
```

53. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.71702E+01 SHOULD BE 1.18503E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.71702E+01 SHOULD BE 1.18503E+01
```

54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.61044E+01 SHOULD BE 1.16622E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.61044E+01 SHOULD BE 1.16622E+01
```

55. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.50561E+01 SHOULD BE 1.14773E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.50561E+01 SHOULD BE 1.14773E+01
```

56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05 / DENSITY 6.42622E+01 SHOULD BE 1.13372E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 8.00000E-05
DENSITY 6.42622E+01 SHOULD BE 1.13372E+01
```

57. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.76551E+01 SHOULD BE 2.07110E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.76551E+01 SHOULD BE 2.07110E+01
```

58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.76187E+01 SHOULD BE 2.06837E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.76187E+01 SHOULD BE 2.06837E+01
```

59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.75745E+01 SHOULD BE 2.06506E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.75745E+01 SHOULD BE 2.06506E+01
```

60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.75303E+01 SHOULD BE 2.06175E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.75303E+01 SHOULD BE 2.06175E+01
```

61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.74861E+01 SHOULD BE 2.05844E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.74861E+01 SHOULD BE 2.05844E+01
```

62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.74421E+01 SHOULD BE 2.05514E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.74421E+01 SHOULD BE 2.05514E+01
```

63. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.73981E+01 SHOULD BE 2.05185E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.73981E+01 SHOULD BE 2.05185E+01
```

64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.73542E+01 SHOULD BE 2.04856E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.73542E+01 SHOULD BE 2.04856E+01
```

65. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.69191E+01 SHOULD BE 2.01598E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.69191E+01 SHOULD BE 2.01598E+01
```

66. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.64913E+01 SHOULD BE 1.98394E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.64913E+01 SHOULD BE 1.98394E+01
```

67. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.60706E+01 SHOULD BE 1.95243E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.60706E+01 SHOULD BE 1.95243E+01
```

68. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.56569E+01 SHOULD BE 1.92145E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.56569E+01 SHOULD BE 1.92145E+01
```

69. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.52500E+01 SHOULD BE 1.89098E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.52500E+01 SHOULD BE 1.89098E+01
```

70. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.49419E+01 SHOULD BE 1.86790E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.49419E+01 SHOULD BE 1.86790E+01
```

71. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.04796E+01 SHOULD BE 1.47936E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.04796E+01 SHOULD BE 1.47936E+01
```

72. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.04395E+01 SHOULD BE 1.47741E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.04395E+01 SHOULD BE 1.47741E+01
```

73. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.03908E+01 SHOULD BE 1.47504E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.03908E+01 SHOULD BE 1.47504E+01
```

74. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.03420E+01 SHOULD BE 1.47268E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.03420E+01 SHOULD BE 1.47268E+01
```

75. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.02934E+01 SHOULD BE 1.47031E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.02934E+01 SHOULD BE 1.47031E+01
```

76. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.02448E+01 SHOULD BE 1.46796E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.02448E+01 SHOULD BE 1.46796E+01
```

77. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.01963E+01 SHOULD BE 1.46560E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.01963E+01 SHOULD BE 1.46560E+01
```

78. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.01479E+01 SHOULD BE 1.46326E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.01479E+01 SHOULD BE 1.46326E+01
```

79. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.96684E+01 SHOULD BE 1.43998E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.96684E+01 SHOULD BE 1.43998E+01
```

80. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.91969E+01 SHOULD BE 1.41710E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.91969E+01 SHOULD BE 1.41710E+01
```

81. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.87332E+01 SHOULD BE 1.39459E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.87332E+01 SHOULD BE 1.39459E+01
```

82. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.82773E+01 SHOULD BE 1.37246E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.82773E+01 SHOULD BE 1.37246E+01
```

83. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.78289E+01 SHOULD BE 1.35070E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.78289E+01 SHOULD BE 1.35070E+01
```

84. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 2.74893E+01 SHOULD BE 1.33422E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 2.74893E+01 SHOULD BE 1.33422E+01
```

85. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.22683E+01 SHOULD BE 1.15061E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.22683E+01 SHOULD BE 1.15061E+01
```

86. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.22127E+01 SHOULD BE 1.14910E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.22127E+01 SHOULD BE 1.14910E+01
```

87. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.21451E+01 SHOULD BE 1.14725E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.21451E+01 SHOULD BE 1.14725E+01
```

88. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.20775E+01 SHOULD BE 1.14542E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.20775E+01 SHOULD BE 1.14542E+01
```

89. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.20100E+01 SHOULD BE 1.14358E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.20100E+01 SHOULD BE 1.14358E+01
```

90. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.19427E+01 SHOULD BE 1.14175E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.19427E+01 SHOULD BE 1.14175E+01
```

91. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.18754E+01 SHOULD BE 1.13991E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.18754E+01 SHOULD BE 1.13991E+01
```



92. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.18083E+01 SHOULD BE 1.13809E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.18083E+01 SHOULD BE 1.13809E+01
```

93. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.11434E+01 SHOULD BE 1.11999E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.11434E+01 SHOULD BE 1.11999E+01
```

94. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 4.04895E+01 SHOULD BE 1.10219E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 4.04895E+01 SHOULD BE 1.10219E+01
```

95. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.98465E+01 SHOULD BE 1.08468E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.98465E+01 SHOULD BE 1.08468E+01
```

96. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.92142E+01 SHOULD BE 1.06747E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.92142E+01 SHOULD BE 1.06747E+01
```

97. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.85924E+01 SHOULD BE 1.05054E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.85924E+01 SHOULD BE 1.05054E+01
```

98. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 3.81214E+01 SHOULD BE 1.03772E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 3.81214E+01 SHOULD BE 1.03772E+01
```

99. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.12528E+01 SHOULD BE 9.41408E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.12528E+01 SHOULD BE 9.41408E+00
```

100. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.11590E+01 SHOULD BE 9.40169E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.11590E+01 SHOULD BE 9.40169E+00
```

101. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.10450E+01 SHOULD BE 9.38663E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.10450E+01 SHOULD BE 9.38663E+00
```

102. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.09311E+01 SHOULD BE 9.37158E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.09311E+01 SHOULD BE 9.37158E+00
```

103. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.08174E+01 SHOULD BE 9.35655E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.08174E+01 SHOULD BE 9.35655E+00
```

104. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.07039E+01 SHOULD BE 9.34156E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.07039E+01 SHOULD BE 9.34156E+00
```

105. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.05905E+01 SHOULD BE 9.32658E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.05905E+01 SHOULD BE 9.32658E+00
```

106. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 7.04774E+01 SHOULD BE 9.31163E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 7.04774E+01 SHOULD BE 9.31163E+00
```

107. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.93565E+01 SHOULD BE 9.16353E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.93565E+01 SHOULD BE 9.16353E+00
```

108. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.82542E+01 SHOULD BE 9.01790E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.82542E+01 SHOULD BE 9.01790E+00
```

109. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.71702E+01 SHOULD BE 8.87468E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.71702E+01 SHOULD BE 8.87468E+00
```

110. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.61044E+01 SHOULD BE 8.73386E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.61044E+01 SHOULD BE 8.73386E+00
```

111. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.50561E+01 SHOULD BE 8.59536E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.50561E+01 SHOULD BE 8.59536E+00
```

112. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 6.42622E+01 SHOULD BE 8.49046E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 6.42622E+01 SHOULD BE 8.49046E+00
```

113. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.43541E+02 SHOULD BE 7.96576E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
ENERGY = 3.18000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.43541E+02 SHOULD BE 7.96576E+00
```

114. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.43352E+02 SHOULD BE 7.95528E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.43352E+02 SHOULD BE 7.95528E+00
```

115. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.43122E+02 SHOULD BE 7.94253E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.43122E+02 SHOULD BE 7.94253E+00
```

116. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.42893E+02 SHOULD BE 7.92980E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.42893E+02 SHOULD BE 7.92980E+00
```

117. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.42664E+02 SHOULD BE 7.91708E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.42664E+02 SHOULD BE 7.91708E+00
```

118. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.42435E+02 SHOULD BE 7.90440E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.42435E+02 SHOULD BE 7.90440E+00
```

119. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.42207E+02 SHOULD BE 7.89172E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.42207E+02 SHOULD BE 7.89172E+00
```

120. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.41979E+02 SHOULD BE 7.87908E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.41979E+02 SHOULD BE 7.87908E+00
```

121. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.39721E+02 SHOULD BE 7.75376E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.39721E+02 SHOULD BE 7.75376E+00
```

122. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.37500E+02 SHOULD BE 7.63053E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.37500E+02 SHOULD BE 7.63053E+00
```

123. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.35317E+02 SHOULD BE 7.50935E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.35317E+02 SHOULD BE 7.50935E+00
```

124. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.33169E+02 SHOULD BE 7.39019E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.33169E+02 SHOULD BE 7.39019E+00
```

125. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.31058E+02 SHOULD BE 7.27300E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.31058E+02 SHOULD BE 7.27300E+00
```

126. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04 / DENSITY 1.29458E+02 SHOULD BE 7.18424E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.76880E+04. STRENGTH FUNCTION IS 4.46000E-04
DENSITY 1.29458E+02 SHOULD BE 7.18424E+00
```

127. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 107 / THE CALCULATED Q 9.11328E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q*

```
FILE 3
SECTION 107
THE CALCULATED Q 9.11328E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00
```

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 2.0 and S = 2.0 for "capture"

2. Potential scattering hasn't converted, you need more L's!  
*resonances / resolved (Error # 1): potentialScatteringNotConverged*

WARNING: Potential scattering hasn't converged by L=0 at E=3180.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Nd145): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Nd145): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 3 (n[multiplicity:'2'] + Nd144 + gamma): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (Nd146 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (Nd146 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 27: n[multiplicity:'2'] + Nd144 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -5637392.186508179 eV vs -5.756e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 28: n[multiplicity:'3'] + Nd143 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13153915.10183716 eV vs -1.3572e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 29: n + H1 + Pr144 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7673291.981811523 eV vs -7.971e6 eV!

4. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 29: n + H1 + Pr144 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV  
 ... plus 8 more instances of this message

5. Calculated and tabulated Q values disagree.  
*reaction label 30: H1 + Pr145 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1096334.430892944 eV vs -1.024e6 eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 31: H1 + Pr145-e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1158984.430892944 eV vs -1086650. eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 32: H1 + Pr145-e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1285174.430892944 eV vs -1212840. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 33: H1 + Pr145-e3 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1443514.430892944 eV vs -1371180. eV!



9. Calculated and tabulated Q values disagree.  
*reaction label 34: H1 + Pr145-e4 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1447244.430892944 eV vs -1374910. eV!
10. Calculated and tabulated Q values disagree.  
*reaction label 35: H1 + Pr145-e5 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1636424.430892944 eV vs -1564090. eV!
11. Calculated and tabulated Q values disagree.  
*reaction label 36: H1 + Pr145-e6 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1646334.430892944 eV vs -1.574e6 eV!
12. Calculated and tabulated Q values disagree.  
*reaction label 37: H1 + Pr145-e7 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1651144.430892944 eV vs -1578810. eV!
13. Calculated and tabulated Q values disagree.  
*reaction label 38: H1 + Pr145-e8 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1793534.430892944 eV vs -1.7212e6 eV!
14. Calculated and tabulated Q values disagree.  
*reaction label 39: H1 + Pr145-e9 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1862644.430892944 eV vs -1790310. eV!
15. Calculated and tabulated Q values disagree.  
*reaction label 40: H1 + Pr145-e10 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1883244.430892944 eV vs -1810910. eV!
16. Calculated and tabulated Q values disagree.  
*reaction label 41: H1 + Pr145-e11 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1902764.430892944 eV vs -1830430. eV!
17. Calculated and tabulated Q values disagree.  
*reaction label 42: H1 + Pr145-e12 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1931974.430892944 eV vs -1859640. eV!
18. Calculated and tabulated Q values disagree.  
*reaction label 43: H1 + Pr145-e13 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1942274.430892944 eV vs -1869940. eV!
19. Calculated and tabulated Q values disagree.  
*reaction label 44: H1 + Pr145-e14 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1955764.430892944 eV vs -1883430. eV!

20. Calculated and tabulated Q values disagree.  
*reaction label 45: H1 + (Pr145\_c -> Pr145 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1955764.430892944 eV vs -1883430. eV!
21. Calculated and tabulated Q values disagree.  
*reaction label 46: Nd146 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 7842333.403106689 eV vs 7.565e6 eV!
22. Calculated and tabulated Q values disagree.  
*reaction label 47: n + He4 + Ce141 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 1674629.619140625 eV vs 1.578e6 eV!
23. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 47: n + He4 + Ce141 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*
- WARNING: Extra zero-probability outgoing energies found at incident energy 5.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 6.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 7.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV  
 ... plus 13 more instances of this message
24. Calculated and tabulated Q values disagree.  
*reaction label 48: n[multiplicity:'2'] + He4 + Ce140 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -3962762.567398071 eV vs -3.85e6 eV!
25. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 48: n[multiplicity:'2'] + He4 + Ce140 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*
- WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV  
 ... plus 7 more instances of this message
26. Calculated and tabulated Q values disagree.  
*reaction label 49: n[multiplicity:'2'] + H1 + Pr143 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -13310684.16830444 eV vs -1.3724e7 eV!
27. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 49: n[multiplicity:'2'] + H1 + Pr143 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 ... plus 1 more instances of this message

28. Calculated and tabulated Q values disagree.  
*reaction label 50: He4 + Ce142\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 9026082.9034729 eV vs 0. eV!

29. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

30. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

- njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 60146  
 photon momentum recoil used.